

FORM PTO-1449/A and B (modified PTO/SB/08) INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICATION NO.: 10/613,736	ATTY. DOCKET NO.: C1037.70044US00
	FILING DATE: July 3, 2003	CONFIRMATION NO.: 4723
	APPLICANT: Krieg et al.	
	GROUP ART UNIT: 1645	EXAMINER: Nina Archie

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U.S. PATENT DOCUMENTS

Examiner's Initials #	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or Issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A171	4,806,463		Goodchild et al.	02-21-1989
	A172	5,004,810		Draper	04-02-1991
	A173	5,166,195		Ecker	11-24-1992
	A174	5,194,428		Agrawal et al.	03-16-1993
	A175	5,264,423		Cohen et al.	11-23-1993
	A176	5,276,019		Cohen et al.	01-04-1994
	A177	5,416,203		Letsinger	05-16-1995
	A178	5,780,448		Davis	07-14-1998
	A179	6,589,940	B1	Raz et al.	07-08-2003
	A180	6,610,308	B1	Haensler	08-26-2003
	A181	6,749,856	B1	Berzofsky et al.	06-15-2004
	A182	6,835,395	B1	Semple et al.	12-28-2004
	A183	6,852,705	B2	Audonnet et al.	02-08-2005
	A184	7,271,156	B2	Krieg et al.	07-18-2007
	A185	7,303,881	B2	Huang et al.	12-04-2007
	A186	7,354,711	B2	Macfarlane	04-08-2008
	A187	7,354,909	B2	Klinman et al.	04-08-2008
	A188	7,402,572	B2	Krieg et al.	07-22-2008
	A189	7,410,975	B2	Lipford et al.	08-12-2008
	A190	2002-0065236	A1	Yew et al.	05-30-2002
	A191	2002-0142977	A1	Raz et al.	10-03-2002
	A192	2002-0151518	A1	Agrawal et al	10-17-2002
	A193	2002-0168340	A1	Agrawal	11-14-2002
	A194	2003-0119773	A1	Raz et al.	06-26-2003
	A195	2003-0125279	A1	Junghans et al.	07-03-2003
	A196	2003-0129605	A1	Yu et al.	07-10-2003
	A197	2003-0176389	A1	Raz et al.	09-18-2003
	A198	2003-0212029	A1	Agrawal et al.	11-13-2003
	A199	2003-0225016	A1	Fearon et al.	12-04-2003
	A200	2003-0232443	A1	Bennett et al.	12-18-2003
	A201	2004-0006010	A1	Carson et al.	01-08-2004
	A202	2004-0006034	A1	Raz et al.	01-08-2004
	A203	2004-0092468	A1	Schwartz et al.	05-13-2004

EXAMINER:	DATE CONSIDERED:
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	A204	2005-0079152	A1	Bot et al.	04-14-2005
	A205	2005-0123523	A1	Krieg et al.	06-09-2005
	A206	2005-0159351	A1	Grate et al.	07-21-2005
	A207	2005-0209184	A1	Klinman et al.	09-22-2005
	A208	2007-0066550	A1	Diener et al.	03-22-2007
	A209	2007-0202128	A1	Krieg et al.	08-30-2007
	A210	2007-0224210	A1	Krieg et al.	09-27-2007
	A211	2007-0232622	A1	Lipford et al.	10-04-2007
	A212	2008-0009455	A9	Krieg et al.	01-10-2008
	A213	2008-0026011	A1	Krieg et al.	01-31-2008
	A214	2008-0031936	A1	Krieg et al.	02-07-2008
	A215	2008-0045473	A1	Uhlmann et al.	02-21-2008
	A216	2008-0113929	A1	Lipford et al.	05-15-2008
	A217	2008-0146488	A1	Wettstein et al.	06-19-2008
	A218	2008-0226649	A1	Schetter et al.	09-18-2008

FOREIGN PATENT DOCUMENTS

Examiner's Initials #	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
	B32	EP	1 187 629	A2	Smithkline Beecham Biologicals, S.A.	10-26-2000	
	B33	WO	95/03407	A2	Gen-Probe Incorporated	02-02-1995	
	B34	WO	99/63975	A2	Biagnostik Gesellschaft Fur Biomolekular Diagnostik MBH	12-16-1999	
	B35	WO	01/92565	A2	Epigenomics AG	12-06-2001	
	B36	WO	02/00926	A2	Epigenomics AG	01-03-2002	
	B37	WO	02/18632	A2	Epigenomics AG	03-07-2002	Y- Abstract Only
	B38	WO	03/094963	A2	INEX Pharmaceuticals Corp.	11-20-2003	
	B39	WO	2004/012669	A2	The Government of the United States	02-12-2004	
	B40	WO	2005/111057	A3	Coley Pharmaceutical Group, Inc.	11-24-2005	
	B41	WO	2008/030455	A2	Coley Pharmaceutical Group, Inc.	03-13-2008	
	B42	WO	2008/033432	A2	Coley Pharmaceutical Group, Inc.	03-20-2008	
	B43	WO	2008/039538	A2	Coley Pharmaceutical Group, Inc.	04-03-2008	
	B44	WO	2008/068638	A2	Coley Pharmaceutical GMBH	06-12-2008	
	B45	WO	2008/139262	A2	Coley Pharmaceutical GMBH	11-20-2008	

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OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials #	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C95	Press Release, January 2007, "Coley Pharmaceutical Group Updates Hepatitis C Drug Development Strategy".	
	C96	Press Release, June 2007, "Coley Pharmaceutical Group Announces Pfizer's Discontinuation of Clinical Trials for PF-3512676 Combined with Cytotoxic Chemotherapy in Advanced Non Small Cell Lung Cancer".	
	C97	[No Author Listed] CpG 7909: PF 3512676, PF-3512676. Drugs R D. 2006;7(5):312-6.	
	C98	[No Author Listed] CPG10101 HCV Toll-Receptor 9 Antagonist Phase II Study Results. 57 th Annual Meeting of the American Association for the Study of Liver Diseases. October 27-31, 2006. Boston, MA. 9 pages.	
	C99	[No Author Listed] Mechanisms of Microbial Diseases, Third Edition. Schaechter et al., Editors. Lippencott, Williams & Wilkins, 1999. p.xv-xvi.	
	C100	AGRAWAL et al., Antisense therapeutics: is it as simple as complementary base recognition? Mol Med Today. 2000 Feb;6(2):72-81.	
	C101	AGRAWAL et al., Chapter 19: Pharmacokinetics and bioavailability of antisense oligonucleotides following oral and colorectal administrations in experimental animals. 1998: 525-43.	
	C102	AHLUWALIA et al., Immunostimulatory profiles from two classes of CpG ODN administered subcutaneously to healthy subjects. ICI FOCIS 2004. Poster.	
	C103	ANITESCU et al., Interleukin-10 functions in vitro and in vivo to inhibit bacterial DNA-induced secretion of interleukin-12. J Interferon Cytokine Res. 1997 Dec;17(12):781-8.	
	C104	BALLAS et al., Induction of NK activity in murine and human cells by CpG motifs in oligodeoxynucleotides and bacterial DNA. J Immunol. 1996 Sep 1;157(5):1840-5.	
	C105	BAUER et al., DNA activates human immune cells through a CpG sequence-dependent manner. Immunology. 1999 Aug;97(4):699-705.	
	C106	BAUER et al., Human TLR9 confers responsiveness to bacterial DNA via species-specific CpG motif recognition. Proc Natl Acad Sci U S A. 2001 Jul 31;98(16):9237-42.	
	C107	BIBBY, Orthotopic models of cancer for preclinical drug evaluation: advantages and disadvantages. Eur J Cancer. 2004 Apr;40(6):852-7.	
	C108	BOGGS et al., Characterization and modulation of immune stimulation by modified oligonucleotides. Antisense Nucleic Acid Drug Dev. 1997 Oct;7(5):461-71.	
	C109	BRAZOLOT MILLAN et al., CpG DNA can induce strong Th1 humoral and cell-mediated immune responses against hepatitis B surface antigen in young mice. Proc Natl Acad Sci U S A. 1998 Dec 22;95(26):15553-8.	
	C110	CHACE et al., Bacterial DNA-induced NK cell IFN-gamma production is dependent on macrophage secretion of IL-12. Clin Immunol Immunopathol. 1997 Aug;84(2):185-93.	
	C111	CHU et al., CpG oligodeoxynucleotides down-regulate macrophage class II MHC antigen processing. J Immunol. 1999 Aug 1;163(3):1188-94.	
	C112	CONNELL et al., Anti-tumor activity of a CpG-containing oligodeoxynucleotide (ODN) in athymic mice. American Assn Cancer Reseach. March 1999;40:Abstract #1982.	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

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Sheet	4	of	13		

	C113	COOPER et al., CPG 7909 adjuvant improves hepatitis B virus vaccine seroprotection in antiretroviral-treated HIV-infected adults. AIDS. 2005 Sep 23;19(14):1473-9.	
	C114	COOPER et al., CPG 7909, an immunostimulatory TLR9 agonist oligodeoxynucleotide, as adjuvant to Engerix-B HBV vaccine in healthy adults: a double-blind phase I/II study. J Clin Immunol. 2004 Nov;24(6):693-701.	
	C115	COWDERY et al., Bacterial DNA induces NK cells to produce IFN-gamma in vivo and increases the toxicity of lipopolysaccharides. J Immunol. 1996 Jun 15;156(12):4570-5.	
	C116	DAVIS, Use of CpG DNA for enhancing specific immune responses. Curr Top Microbiol Immunol. 2000;247:171-83.	
	C117	DENG et al., CpG oligodeoxynucleotides stimulate protective innate immunity against pulmonary Klebsiella infection. J Immunol. 2004 Oct 15;173(8):5148-55.	
	C118	DIWAN et al., Enhancement of immune responses by co-delivery of a CpG oligodeoxynucleotide and tetanus toxoid in biodegradable nanospheres. J Control Release. 2002 Dec 13;85(1-3):247-62.	
	C119	ECKSTEIN, Phosphorothioation of DNA in bacteria. Nat Chem Biol. 2007 Nov;3(11):689-90.	
	C120	GOLDBERG et al., Beyond danger: unmethylated CpG dinucleotides and the immunopathogenesis of disease. Immunol Lett. 2000 Jul 3;73(1):13-8.	
	C121	GRAMZINSKI et al., Interleukin-12- and gamma interferon-dependent protection against malaria conferred by CpG oligodeoxynucleotide in mice. Infect Immun. 2001 Mar;69(3):1643-9.	
	C122	GURA et al., Antisense has growing pains. Science. 1995 Oct 27;270(5236):575-7.	
	C123	HALPERN et al., Bacterial DNA induces murine interferon-gamma production by stimulation of interleukin-12 and tumor necrosis factor-alpha. Cell Immunol. 1996 Jan 10;167(1):72-8.	
	C124	HARANDI et al., A protective role of locally administered immunostimulatory CpG oligodeoxynucleotide in a mouse model of genital herpes infection. J Virol. 2003 Jan;77(2):953-62.	
	C125	HARTMANN et al., CpG DNA and LPS induce distinct patterns of activation in human monocytes. Gene Ther. 1999 May;6(5):893-903.	
	C126	HARTMANN et al., Delineation of a CpG phosphorothioate oligodeoxynucleotide for activating primate immune responses in vitro and in vivo. J Immunol. 2000 Feb 1;164(3):1617-24.	
	C127	HARTMANN et al., Identification and functional analysis of tumor-infiltrating plasmacytoid dendritic cells in head and neck cancer. Cancer Res. 2003 Oct 1;63(19):6478-87.	
	C128	HARTMANN et al., Mechanism and function of a newly identified CpG DNA motif in human primary B cells. J Immunol. 2000 Jan 15;164(2):944-53.	
	C129	HARTMANN et al., Rational design of new CpG oligonucleotides that combine B cell activation with high IFN-alpha induction in plasmacytoid dendritic cells. Eur J Immunol. 2003 Jun;33(6):1633-41.	
	C130	HOPKIN et al., Curbing the CpGs of Bacterial and Viral DNA. BioMedNet. 1999 Jun25; Issue 57.	
	C131	HORNER et al., Immunostimulatory DNA is a potent mucosal adjuvant. Cell Immunol. 1998 Nov 25;190(1):77-82.	
	C132	HUANG et al., Induction and regulation of Th1-inducing cytokines by bacterial DNA, lipopolysaccharide, and heat-inactivated bacteria. Infect Immun. 1999 Dec;67(12):6257-63.	
	C133	HUNTER et al., Biodegradable microspheres containing group B Streptococcus vaccine: immune response in mice. Am J Obstet Gynecol. 2001 Nov;185(5):1174-9.	
	C134	IHO et al., Oligodeoxynucleotides containing palindrome sequences with internal 5'-CpG-3' act directly on human NK and activated T cells to induce IFN-gamma production in vitro. J Immunol. 1999 Oct 1;163(7):3642-52.	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

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	C135	ISHII et al., Antitumor therapy with bacterial DNA and toxin: complete regression of established tumor induced by liposomal CpG oligodeoxynucleotides plus interleukin-13 cytotoxin. Clin Cancer Res. 2003 Dec 15;9(17):6516-22.	
	C136	JACOBSON et al., Early viral response and on treatment response to CpG 10101 (ACTILON™), in combination with pegylated interferon and/or ribavirin, in chronic HCV genotype 1 infected patients with prior relapse response. 57 th Annual Meeting of American Association for the Study of the Liver Diseases (AASLD). 2006 Oct 30, Boston, Massachusetts; Presented Abstract #96.	
	C137	JIANG et al., Enhancing immunogenicity by CpG DNA. Curr Opin Mol Ther. 2003 Apr;5(2):180-5.	
	C138	JIANG et al., Synthetic vaccines: the role of adjuvants in immune targeting. Curr Med Chem. 2003 Aug;10(15):1423-39.	
	C139	JONES et al., Synthetic oligodeoxynucleotides containing CpG motifs enhance immunogenicity of a peptide malaria vaccine in Aotus monkeys. Vaccine. 1999 Aug 6;17(23-24):3065-71	
	C140	KANDIMALLA et al., Secondary structures in CpG oligonucleotides affect immunostimulatory activity. Biochem Biophys Res Commun. 2003 Jul 11;306(4):948-53	
	C141	KELLAND, Of mice and men: values and liabilities of the athymic nude mouse model in anticancer drug development. Eur J Cancer. 2004 Apr;40(6):827-36.	
	C142	KIM et al., Prognostic implication of aberrant promoter hypermethylation of CpG islands in adenocarcinoma of the lung. J Thorac Cardiovasc Surg. 2005 Nov;130(5):1378. Epub 2005 Oct 13.	
	C143	KIM et al., TLR9 agonist immunomodulator treatment of cutaneous T-cell lymphomas (CTCL) with CPG7909. Blood. 2004 Nov 16;104(11):Abstract #743.	
	C144	KIMURA et al., Binding of oligoguanylate to scavenger receptors is required for oligonucleotides to augment NK cell activity and induce IFN. J Biochem (Tokyo). 1994 Nov;116(5):991-4.	
	C145	KLINER et al., DNA therapy for asthma. Curr Opin Allergy Clin Immunol. 2002 Feb;2(1):69-73.	
	C146	KLINER et al., Modulation of airway inflammation by CpG oligodeoxynucleotides in a murine model of asthma. J Immunol. 1998 Mar 15;160(6):2555-9.	
	C147	KLINER et al., Treatment of established asthma in a murine model using CpG oligodeoxynucleotides. Am J Physiol Lung Cell Mol Physiol. 2002 Jul;283(1):L170-9.	
	C148	KLINMAN et al., Contribution of CpG motifs to the immunogenicity of DNA vaccines. J Immunol. 1997 Apr 15;158(8):3635-9.	
	C149	KLINMAN et al., CpG motifs present in bacteria DNA rapidly induce lymphocytes to secrete interleukin 6, interleukin 12, and interferon gamma. Proc Natl Acad Sci U S A. 1996 Apr 2;93(7):2879-83.	
	C150	KLINMAN et al., Immunotherapeutic uses of CpG oligodeoxynucleotides. Nat Rev Immunol. 2004 Apr;4(4):249-58.	
	C151	KNIFE et al., eds., Fields' Virology. 2001;1:1004-16.	
	C152	KNIFE et al., eds., Fields' Virology. 2001;1:1564.	
	C153	KOVARIK et al., Adjuvant effects of CpG oligodeoxynucleotides on responses against T-independent type 2 antigens. Immunology. 2001 Jan;102(1):67-76.	
	C154	KOVARIK et al., CpG oligodeoxynucleotides can circumvent the Th2 polarization of neonatal responses to vaccines but may fail to fully redirect Th2 responses established by neonatal priming. J Immunol. 1999 Feb 1;162(3):1611-7.	
	C155	KRANZER et al., CpG-oligodeoxynucleotides enhance T-cell receptor-triggered interferon-gamma production and up-regulation of CD69 via induction of antigen-presenting cell-derived interferon type I and interleukin-12. Immunology. 2000 Feb;99(2):170-8.	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

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				GROUP ART UNIT: 1645	EXAMINER: Nina Archie
Sheet	6	of	13		

	C156	KRIEG et al., A role for endogenous retroviral sequences in the regulation of lymphocyte activation. J Immunol. 1989 Oct 15;143(8):2448-51.	
	C157	KRIEG et al., Causing a commotion in the blood: immunotherapy progresses from bacteria to bacterial DNA. Immunol Today. 2000 Oct;21(10):521-6.	
	C158	KRIEG et al., Chapter 17: Immune stimulation by oligonucleotides. in Antisense Drug Tech. 2001;1394:471-515.	
	C159	KRIEG et al., Chapter 8: Immune Stimulation by Oligonucleotides. In: Antisense Research and Application. Crooke, Ed. 1998:243-62.	
	C160	KRIEG et al., CpG DNA induces sustained IL-12 expression in vivo and resistance to Listeria monocytogenes challenge. J Immunol. 1998 Sep 1;161(5):2428-34.	
	C161	KRIEG et al., CpG DNA: a novel immunomodulator. Trends Microbiol. 1999 Feb;7(2):64-5.	
	C162	KRIEG et al., CpG motifs in bacterial DNA trigger direct B-cell activation. Nature. 1995 Apr 6;374(6522):546-9.	
	C163	KRIEG et al., Direct immunologic activities of CpG DNA and implications for gene therapy. J Gene Med. 1999 Jan-Feb;1(1):56-63.	
	C164	KRIEG et al., How to exclude immunostimulatory and other nonantisense effects of antisense oligonucleotides. Manual of Antisense. 1999:79-89.	
	C165	KRIEG et al., Immune effects and therapeutic applications of CpG motifs in bacterial DNA. Immunopharmacology. 2000 Jul 25;48(3):303-5.	
	C166	KRIEG et al., Induction of systemic TH1-like innate immunity in normal volunteers following subcutaneous but not intravenous administration of CPG 7909, a synthetic B-class CpG oligodeoxynucleotide TLR9 agonist. J Immunother. 2004 Nov-Dec;27(6):460-71.	
	C167	KRIEG et al., Infection. In: McGraw Hill Book. 1996:242-3.	
	C168	KRIEG et al., Leukocyte stimulation by oligodeoxynucleotides. In: Applied Antisense Oligonucleotide Technology. 1998:431-48.	
	C169	KRIEG et al., Lymphocyte activation by CpG dinucleotide motifs in prokaryotic DNA. Trends Microbiol. 1996 Feb;4(2):73-6.	
	C170	KRIEG et al., Lymphocyte activation mediated by oligodeoxynucleotides or DNA containing novel un-methylated CpG motifs. American College of Rheumatology 58 th National Scientific Meeting. Minneapolis, Minnesota, October 22, 1994. Abstracts. Arthritis Rheum. 1994 Sep;37(9 Suppl).	
	C171	KRIEG et al., Mechanism of action of CpG DNA. Curr Top Microbiol Immunol. 2000;247:1-21.	
	C172	KRIEG et al., Mechanisms and applications of immune stimulatory CpG oligodeoxynucleotides. Biochim Biophys Acta. 1999 Dec 10;1489(1):107-16.	
	C173	KRIEG et al., Modification of antisense phosphodiester oligodeoxynucleotides by a 5' cholesteryl moiety increases cellular association and improves efficacy. Proc Natl Acad Sci U S A. 1993 Feb 1;90(3):1048-52.	
	C174	KRIEG et al., Oligodeoxynucleotide modifications determine the magnitude of B cell stimulation by CpG motifs. Antisense Nucleic Acid Drug Dev. 1996 Summer;6(2):133-9.	
	C175	KRIEG et al., P-chirality-dependent immune activation by phosphorothioate CpG oligodeoxynucleotides. Oligonucleotides. 2003;13(6):491-9.	
	C176	KRIEG et al., Phosphorothioate oligodeoxynucleotides: antisense or anti-protein? Antisense Res Dev. 1995 Winter;5(4):241.	
	C177	KRIEG et al., Rescue of B cells from apoptosis by immune stimulatory CpG DNA. Springer Semin	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

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				GROUP ART UNIT: 1645	EXAMINER: Nina Archie
Sheet	7	of	13		

		Immunopathol. 2000;22(1-2):55-61.	
	C178	KRIEG et al., Sequence motifs in adenoviral DNA block immune activation by stimulatory CpG motifs. Proc Natl Acad Sci U S A. 1998 Oct 13;95(21):12631-6.	
	C179	KRIEG et al., The role of CpG dinucleotides in DNA vaccines. Trends Microbiol. 1998 Jan;6(1):23-7.	
	C180	KRIEG et al., Unmethylated CpG DNA protects mice from lethal listeria monocytogenes challenge. Vaccines. 1997; 97:77-9.	
	C181	KRIEG, An innate immune defense mechanism based on the recognition of CpG motifs in microbial DNA. J Lab Clin Med. 1996 Aug;128(2):128-33.	
	C182	KRIEG, Antiinfective applications of toll-like receptor 9 agonists. Proc Am Thorac Soc. 2007 Jul;4(3):289-94.	
	C183	KRIEG, Chapter 7: CpG oligonucleotides as immune adjuvants. Ernst Schering Research Found Workshop 2001; 30:105-18.	
	C184	KRIEG, CpG DNA: a pathogenic factor in systemic lupus erythematosus? J Clin Immunol. 1995 Nov;15(6):284-92.	
	C185	KRIEG, Development of TLR9 agonists for cancer therapy. J Clin Invest. 2007 May;117(5):1184-94.	
	C186	KRIEG, Now I know my CpGs. Trends Microbiol. 2001 Jun;9(6):249-52.	
	C187	KRIEG, Signal transduction induced by immunostimulatory CpG DNA. Springer Semin Immunopathol. 2000;22(1-2):97-105.	
	C188	KRIEG, Therapeutic potential of Toll-like receptor 9 activation. Nat Rev Drug Discov. 2006 Jun;5(6):471-84.	
	C189	KRIEG, Toll-like receptor 9 (TLR9) agonists in the treatment of cancer. Oncogene. 2008 Jan 7;27(2):161-7. Review.	
	C190	KRUG et al., Identification of CpG oligonucleotide sequences with high induction of IFN-alpha/beta in plasmacytoid dendritic cells. Eur J Immunol. 2001 Jul;31(7):2154-63.	
	C191	KRUG et al., Toll-like receptor expression reveals CpG DNA as a unique microbial stimulus for plasmacytoid dendritic cells which synergizes with CD40 ligand to induce high amounts of IL-12. Eur J Immunol. 2001 Oct;31(10):3026-37.	
	C192	KURAMOTO et al., Changes of host cell infiltration into Meth A fibrosarcoma tumor during the course of regression induced by injections of a BCG nucleic acid fraction. Int J Immunopharmacol. 1992 Jul;14(5):773-82.	
	C193	KURAMOTO et al., In situ infiltration of natural killer-like cells induced by intradermal injection of the nucleic acid fraction from BCG. Microbiol Immunol. 1989;33(11):929-40.	
	C194	KURAMOTO et al., Oligonucleotide sequences required for natural killer cell activation. Jpn J Cancer Res. 1992 Nov;83(11):1128-31.	
	C195	LEE et al., Effects of a hexameric deoxyriboguanosine run conjugation into CpG oligodeoxynucleotides on their immunostimulatory potentials. J Immunol. 2000 Oct 1;165(7):3631-9.	
	C196	LI et al., Effective induction of CD8+ T-cell response using CpG oligodeoxynucleotides and HER-2/neu-derived peptide co-encapsulated in liposomes. Vaccine. 2003 Jul 4;21(23):3319-29.	
	C197	LI et al., Lymphoma immunotherapy with CpG oligodeoxynucleotides requires TLR9 either in the host or in the tumor itself. J Immunol. 2007 Aug 15;179(4):2493-500.	
	C198	LIPFORD et al., Bacterial DNA as immune cell activator. Trends Microbiol. 1998 Dec;6(12):496-500.	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	C199	LIPFORD et al., Immunostimulatory DNA: sequence-dependent production of potentially harmful or useful cytokines. Eur J Immunol. 1997 Dec;27(12):3420-6.	
	C200	MAJOR et al., Chapter 34: Hepatitis C Viruses. In Fields' Virology. 2001;1:1127-61.	
	C201	MARSHALL et al., Identification of a novel CpG DNA class and motif that optimally stimulate B cell and plasmacytoid dendritic cell functions. J Leukoc Biol. 2003 Jun;73(6):781-92.	
	C202	MARTIN-OROZCO et al., Enhancement of antigen-presenting cell surface molecules involved in cognate interactions by immunostimulatory DNA sequences. Int Immunol. 1999 Jul;11(7):1111-8.	
	C203	MATSON et al., Nonspecific suppression of [3H]thymidine incorporation by "control" oligonucleotides. Antisense Res Dev. 1992 Winter;2(4):325-30.	
	C204	McCLUSKIE et al., Enhancement of infectious disease vaccines through TLR9-dependent recognition of CpG DNA. Curr Top Microbiol Immunol. 2006;311:155-78.	
	C205	McCLUSKIE et al., Route and method of delivery of DNA vaccine influence immune responses in mice and non-human primates. Mol Med. 1999 May;5(5):287-300.	
	C206	McCLUSKIE et al., The role of CpG in DNA vaccines. Springer Semin Immunopathol. 2000;22(1-2):125-32.	
	C207	McCLUSKIE et al., The use of CpG DNA as a mucosal vaccine adjuvant. Curr Opin Investig Drugs. 2001 Jan;2(1):35-9.	
	C208	McHUTCHISON et al., Early clinical results with CpG 10101, a new investigational antiviral TLR9 agonist being developed for treatment of subjects chronically infected with hepatitis C virus. 12 th International Symposium on Viral Hepatitis and Liver Disease (ISVHLD). 2006 July 3, Paris, France; Presented Abstract #O105.	
	C209	McHUTCHISON et al., Early viral response to CpG 10101, in combination with pegylated interferon and/or ribavirin, in chronic HCV genotype 1 infected patients with prior relapse response. 41 st Annual Meeting of European Association for the Study of the Liver (EASL). 2006 April 26-30, Vienna, Austria; Submitted Abstract.	
	C210	McHUTCHISON et al., Final results of a multi-center phase 1B, randomized, placebo-controlled, dose-escalation trial of CpG 10101 in patients with chronic hepatitis C virus. 41 st Annual Meeting of European Association for the Study of the Liver (EASL). 2006 April 30, Vienna, Austria; Presented Abstract #111.	
	C211	MESSINA et al., The influence of DNA structure on the in vitro stimulation of murine lymphocytes by natural and synthetic polynucleotide antigens. Cell Immunol. 1993 Mar;147(1):148-57.	
	C212	MICONNET et al., CpG are efficient adjuvants for specific CTL induction against tumor antigen-derived peptide. J Immunol. 2002 Feb 1;168(3):1212-8.	
	C213	MILAS et al., CpG oligodeoxynucleotide enhances tumor response to radiation. Cancer Res. 2004 Aug 1;64(15):5074-7.	
	C214	MOLDOVEANU et al., CpG DNA, a novel immune enhancer for systemic and mucosal immunization with influenza virus. Vaccine. 1998 Jul;16(11-12):1216-24.	
	C215	MOSEMAN et al., Human plasmacytoid dendritic cells activated by CpG oligodeoxynucleotides induce the generation of CD4+CD25+ regulatory T cells. J Immunol. 2004 Oct 1;173(7):4433-42.	
	C216	NORMAN et al., Liposome-mediated, nonviral gene transfer induces a systemic inflammatory response which can exacerbate pre-existing inflammation. Gene Ther. 2000;7:1425-30.	
	C217	PAYETTE et al., History of vaccines and positioning of current trends. Curr Drug Targets Infect Disord. 2001 Nov;1(3):241-7.	
	C218	PETERSON et al., Integrating pharmacology and in vivo cancer models in preclinical and clinical	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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		drug development. Eur J Cancer. 2004 Apr;40(6):837-44.	
	C219	PISETSKY et al., Stimulation of in vitro proliferation of murine lymphocytes by synthetic oligodeoxynucleotides. Mol Biol Rep. 1993 Oct;18(3):217-21.	
	C220	PISETSKY et al., The influence of base sequence on the immunological properties of defined oligonucleotides. Immunopharmacology. 1998 Nov;40(3):199-208.	
	C221	PISETSKY, Immunologic consequences of nucleic acid therapy. Antisense Res Dev. 1995 Fall;5(3):219-25.	
	C222	PISETSKY, The influence of base sequence on the immunostimulatory properties of DNA. Immunol Res. 1999;19(1):35-46.	
	C223	POLANCZYK et al., Immunostimulatory effects of DNA and CpG motifs. Cent Eur J of Immunol. 2000;25(3):160-6.	
	C224	RANKIN et al., CpG motif identification for veterinary and laboratory species demonstrates that sequence recognition is highly conserved. Antisense Nucleic Acid Drug Dev. 2001 Oct;11(5):333-40.	
	C225	READETT et al., PF-3512676 (CPG7909) a Toll-like receptor 9 agonist – status of development for non-small cell lung cancer (NSCLC). Abstract PD3-1-6. Pfizer. 24 Aug. 2007. Poster.	
	C226	REES et al., CpG-DNA protects against a lethal orthopoxvirus infection in a murine model. Antiviral Res. 2005 Feb;65(2):87-95.	
	C227	RODRIGUEZ et al., Immunostimulatory PyNTTTTGT oligodeoxynucleotides: structural properties and refinement of the active motif. Oligonucleotides. 2006 Fall;16(3):275-85.	
	C228	ROMAN et al., Immunostimulatory DNA sequences function as T helper-1-promoting adjuvants. Nat Med. 1997 Aug;3(8):849-54.	
	C229	ROTHENFUSSER et al., Recent advances in immunostimulatory CpG oligonucleotides. Curr Opin Mol Ther. 2003 Apr;5(2):98-106.	
	C230	RUDGINSKY et al., Antitumor activity of cationic lipid complexed with immunostimulatory DNA. Mol Ther. 2001 Oct;4(4):347-55.	
	C231	RYNKIEWICZ et al., Marked enhancement of antibody response to anthrax vaccine adsorbed with CPG 7909 in healthy volunteers. 45 th Intersci. Conf. Antimicrob. Agents Chemother. 2005 Sep. 21-24; New Orleans, Louisiana. Meeting Poster.	
	C232	SAIJO et al., What are the reasons for negative phase III trials of molecular-target-based drugs? Cancer Sci. 2004 Oct;95(10):772-6.	
	C233	SANDLER et al., CpG oligonucleotides enhance the tumor antigen-specific immune response of a granulocyte macrophage colony-stimulating factor-based vaccine strategy in neuroblastoma. Cancer Res. 2003 Jan 15;63(2):394-9.	
	C234	SATO et al., Immunostimulatory DNA sequences necessary for effective intradermal gene immunization. Science. 1996 Jul 19;273(5273):352-4.	
	C235	SATOH et al., Morphological and immunohistochemical characteristics of the heterogeneous prostate-like glands (paraurethral gland) seen in female Brown-Norway rats. Toxicol Pathol. 2001 Mar-Apr;29(2):237-41.	
	C236	SHELLER et al., CpG oligodeoxynucleotides activate HIV replication in latently infected human T cells. J Biol Chem. 2004 May 21;279(21):21897-902. Epub 2004 Mar 11.	
	C237	SCHEULE, The role of CpG motifs in immunostimulation and gene therapy. Adv Drug Deliv Rev. 2000 Nov 15;44(2-3):119-34.	
	C238	SCHUH, Trials, tribulations, and trends in tumor modeling in mice. Toxicol Pathol. 2004 Mar-Apr;32 Suppl 1:53-66.	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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				GROUP ART UNIT: 1645	EXAMINER: Nina Archie
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	C239	SCHWARTZ et al., Bacterial DNA or oligonucleotides containing unmethylated CpG motifs can minimize lipopolysaccharide-induced inflammation in the lower respiratory tract through an IL-12-dependent pathway. J Immunol. 1999 Jul 1;163(1):224-31.	
	C240	SCHWARZ et al., Role of Toll-like receptors in costimulating cytotoxic T cell responses. Eur J Immunol. 2003 Jun;33(6):1465-70.	
	C241	SESTER et al., Phosphorothioate backbone modification modulates macrophage activation by CpG DNA. J Immunol. 2000 Oct 15;165(8):4165-73.	
	C242	SFONDRINI et al., Prevention of spontaneous mammary adenocarcinoma in HER-2/neu transgenic mice by foreign DNA. FASEB J. 2002 Nov;16(13):1749-54.	
	C243	SHALABY, Development of oral vaccines to stimulate mucosal and systemic immunity: barriers and novel strategies. Clin Immunol Immunopathol. 1995 Feb;74(2):127-34.	
	C244	SHAO et al., CpG-containing oligodeoxynucleotide 1826 converts the weak uveitogenic rat interphotoreceptor retinoid-binding protein peptide 1181-1191 into a strong uveitogen. J Immunol. 2003 Nov 1;171(9):4780-5.	
	C245	SIEGRIST et al., Co-administration of CpG oligonucleotides enhances the late affinity maturation process of human anti-hepatitis B vaccine response. Vaccine. 2004 Dec 16;23(5):615-22.	
	C246	SONEHARA et al., Hexamer palindromic oligonucleotides with 5'-CG-3' motif(s) induce production of interferon. J Interferon Cytokine Res. 1996 Oct;16(10):799-803.	
	C247	SPARWASSER et al., Bacterial DNA causes septic shock. Nature. 1997 Mar 27;386(6623):336-7.	
	C248	SPARWASSER et al., Immunostimulatory CpG-oligodeoxynucleotides cause extramedullary murine hemopoiesis. J Immunol. 1999 Feb 15;162(4):2368-74.	
	C249	SPARWASSER et al., Macrophages sense pathogens via DNA motifs: induction of tumor necrosis factor-alpha-mediated shock. Eur J Immunol. 1997 Jul;27(7):1671-9.	
	C250	STEIN et al., Non-antisense effects of oligodeoxynucleotides. Antisense Technology. 1997;Ch.11: 241-64.	
	C251	STEIN et al., Problems in interpretation of data derived from in vitro and in vivo use of antisense oligodeoxynucleotides. Antisense Res Dev. 1994 Summer;4(2):67-9.	
	C252	STOREY et al., Anti-sense phosphorothioate oligonucleotides have both specific and non-specific effects on cells containing human papillomavirus type 16. Nucleic Acids Res. 1991 Aug 11;19(15):4109-14.	
	C253	STUNZ et al., Inhibitory oligonucleotides specifically block effects of stimulatory CpG oligonucleotides in B cells. Eur J Immunol. 2002 May;32(5):1212-22.	
	C254	SUN et al., Multiple effects of immunostimulatory DNA on T cells and the role of type I interferons. Springer Semin Immunopathol. 2000;22(1-2):77-84.	
	C255	SUN et al., Type I interferon-mediated stimulation of T cells by CpG DNA. J Exp Med. 1998 Dec 21;188(12):2335-42.	
	C256	THREADGILL et al., Mitogenic synthetic polynucleotides suppress the antibody response to a bacterial polysaccharide. Vaccine. 1998 Jan;16(1):76-82.	
	C257	TOKUNAGA et al., Synthetic oligonucleotides with particular base sequences from the cDNA encoding proteins of Mycobacterium bovis BCG induce interferons and activate natural killer cells. Microbiol Immunol. 1992;36(1):55-66.	
	C258	TOKUNAGA, Response of the organism to DNA – With a focus on immunostimulatory DNA. Kansen Ensho Meneki. 2001 Autumn; 31(3): 1-12. Japanese.	Y

EXAMINER:	DATE CONSIDERED:
-----------	------------------

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				GROUP ART UNIT: 1645	EXAMINER: Nina Archie
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	C259	TUETKEN et al., Ch. 6: Immune effects of bacterial DNA and their possible role in the pathogenesis of lupus. In: Lupus: Molecular and Cellular Pathogenesis, Kammar and Tsokos, Eds. Humana Press;1999:79-100.	
	C260	TZAO et al., 5'CpG island hypermethylation and aberrant transcript splicing both contribute to the inactivation of the FHIT gene in resected non-small cell lung cancer. Eur J Cancer. 2004 Sep;40(14):2175-83.	
	C261	UHLMANN et al., Recent advances in the development of immunostimulatory oligonucleotides. Curr Opin Drug Discov Devel. 2003 Mar;6(2):204-17.	
	C262	VERTHELYI et al., Human peripheral blood cells differentially recognize and respond to two distinct CPG motifs. J Immunol. 2001 Feb 15;166(4):2372-7.	
	C263	VICARI et al., Development of targeted toll-like receptor agonists for cancer therapy. PPO Focus. 2007; 1(2):1-15.	
	C264	VOLLMER et al., Characterization of three CpG oligodeoxynucleotide classes with distinct immunostimulatory activities. Eur J Immunol. 2004 Jan;34(1):251-62.	
	C265	VOLLMER et al., Highly immunostimulatory CpG-free oligodeoxynucleotides for activation of human leukocytes. Antisense Nucleic Acid Drug Dev. 2002 Jun;12(3):165-75.	
	C266	VOLLMER et al., Immunopharmacology of CpG oligodeoxynucleotides and ribavirin. Antimicrob Agents Chemother. 2004 Jun;48(6):2314-7.	
	C267	VOLLMER et al., Impact of modifications of heterocyclic bases in CpG dinucleotides on their immune-modulatory activity. J Leukoc Biol. 2004 Sep;76(3):585-93. Epub 2004 Jun 24.	
	C268	VOLLMER et al., Modulation of CpG oligodeoxynucleotide-mediated immune stimulation by locked nucleic acid (LNA). Oligonucleotides. 2004 Spring;14(1):23-31.	
	C269	VOLLMER et al., Oligodeoxynucleotides lacking CpG dinucleotides mediate Toll-like receptor 9 dependent T helper type 2 biased immune stimulation. Immunology. 2004 Oct;113(2):212-23.	
	C270	VOLLMER, CpG motifs to modulate innate and adaptive immune responses. Int Rev Immunol. 2006 May-Aug;25(3-4):125-34. Abstract.	
	C271	VOLLMER, TLR9 in health and disease. Int Rev Immunol. 2006 May-Aug;25(3-4):155-81.	
	C272	WAGNER, Interactions between bacterial CpG-DNA and TLR9 bridge innate and adaptive immunity. Curr Opin Microbiol. 2002 Feb;5(1):62-9.	
	C273	WALKER et al., Immunostimulatory oligodeoxynucleotides promote protective immunity and provide systemic therapy for leishmaniasis via IL-12- and IFN-gamma-dependent mechanisms. Proc Natl Acad Sci U S A. 1999 Jun 8;96(12):6970-5.	
	C274	WANG et al., Phosphorothioation of DNA in bacteria by dnd genes. Nat Chem Biol. 2007 Nov;3(11):709-10. Epub 2007 Oct 14. Supplementary information, 12 pages.	
	C275	WANG et al., Synergy between CpG- or non-CpG DNA and specific antigen for B cell activation. Int Immunol. 2003 Feb;15(2):223-31.	
	C276	WANG et al., T-cell-directed cancer vaccines: the melanoma model. Expert Opin Biol Ther. 2001 Mar;1(2):277-90.	
	C277	WARREN et al., APC stimulated by CpG oligodeoxynucleotide enhance activation of MHC class I-restricted T cells. J Immunol. 2000 Dec 1;165(11):6244-51.	
	C278	WEERATNA et al., Reduction of antigen expression from DNA vaccines by coadministered oligodeoxynucleotides. Antisense Nucleic Acid Drug Dev. 1998 Aug;8(4):351-6.	
	C279	WEERATNA et al., CpG DNA induces stronger immune responses with less toxicity than other adjuvants. Vaccine. 2000 Mar 6;18(17):1755-62.	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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				GROUP ART UNIT: 1645	EXAMINER: Nina Archie
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	C280	WEIGEL et al., Comparative analysis of murine marrow-derived dendritic cells generated by Flt3L or GM-CSF/IL-4 and matured with immune stimulatory agents on the in vivo induction of antileukemia responses. Blood. 2002 Dec 1;100(12):4169-76.	
	C281	WEIGEL et al., CpG oligodeoxynucleotides potentiate the antitumor effects of chemotherapy or tumor resection in an orthotopic murine model of rhabdomyosarcoma. Clin Cancer Res. 2003 Aug 1;9(8):3105-14.	
	C282	WHITMORE et al., LPD lipopolyplex initiates a potent cytokine response and inhibits tumor growth. Gene Ther. 1999;6:1867-75.	
	C283	WHITMORE et al., Systemic administration of LPD prepared with CpG oligonucleotides inhibits the growth of established pulmonary metastases by stimulating innate and acquired antitumor immune responses. Canc Immun Immunother. 2001;50:503-14.	
	C284	WOHLLEBEN et al., Atopic disorders: a vaccine around the corner? Trends Immunol. 2001 Nov;22(11):618-26.	
	C285	WOOLDRIDGE et al., CpG DNA and cancer immunotherapy: orchestrating the antitumor immune response. Curr Opin Oncol. 2003 Nov;15(6):440-5.	
	C286	WOOLDRIDGE et al., Immunostimulatory oligodeoxynucleotides containing CpG motifs enhance the efficacy of monoclonal antibody therapy of lymphoma. Blood. 1997 Apr 15;89(8):2994-8.	
	C287	YAMADA et al., Effect of suppressive DNA on CpG-induced immune activation. J Immunol. 2002 Nov 15;169(10):5590-4.	
	C288	YAMAMOTO et al., [Commemorative lecture of receiving Imamura Memorial Prize. II. Mode of action of oligonucleotide fraction extracted from Mycobacterium bovis BCG] Kekkaku. 1994 Sep;69(9):571-4. Japanese.	Y
	C289	YAMAMOTO et al., Ability of oligonucleotides with certain palindromes to induce interferon production and augment natural killer cell activity is associated with their base length. Antisense Res Dev. 1994 Summer;4(2):119-22.	
	C290	YAMAMOTO et al., Lipofection of synthetic oligodeoxyribonucleotide having a palindromic sequence of AACGTT to murine splenocytes enhances interferon production and natural killer activity. Microbiol Immunol. 1994;38(10):831-6.	
	C291	YAMAMOTO et al., Synthetic oligonucleotides with certain palindromes stimulate interferon production of human peripheral blood lymphocytes in vitro. Jpn J Cancer Res. 1994 Aug;85(8):775-9.	
	C292	YAMAMOTO et al., Unique palindromic sequences in synthetic oligonucleotides are required to induce IFN [correction of INF] and augment IFN-mediated [correction of INF] natural killer activity. J Immunol. 1992 Jun 15;148(12):4072-6.	
	C293	YI et al., CpG DNA rescue of murine B lymphoma cells from anti-IgM-induced growth arrest and programmed cell death is associated with increased expression of c-myc and bcl-xL. J Immunol. 1996 Dec 1;157(11):4918-25.	
	C294	YI et al., CpG oligodeoxyribonucleotides rescue mature spleen B cells from spontaneous apoptosis and promote cell cycle entry. J Immunol. 1998 Jun 15;160(12):5898-906.	
	C295	YI et al., IFN-gamma promotes IL-6 and IgM secretion in response to CpG motifs in bacterial DNA and oligodeoxynucleotides. J Immunol. 1996 Jan 15;156(2):558-64.	
	C296	YI et al., Rapid immune activation by CpG motifs in bacterial DNA. Systemic induction of IL-6 transcription through an antioxidant-sensitive pathway. J Immunol. 1996 Dec 15;157(12):5394-402.	

EXAMINER:	DATE CONSIDERED:
-----------	------------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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				GROUP ART UNIT: 1645	EXAMINER: Nina Archie
Sheet	13	of	13		

	C297	YI et al., Rapid induction of mitogen-activated protein kinases by immune stimulatory CpG DNA. J Immunol. 1998 Nov 1;161(9):4493-7.	
	C298	YU et al., Potent CpG oligonucleotides containing phosphodiester linkages: in vitro and in vivo immunostimulatory properties. Biochem Biophys Res Commun. 2002 Sep 13;297(1):83-90.	
	C299	ZHANG et al., Antisense oligonucleotide inhibition of hepatitis C virus (HCV) gene expression in livers of mice infected with an HCV-vaccinia virus recombinant. Antimicrob Agents Chemother. 1999 Feb;43(2):347-53.	
	C300	ZHAO et al., Pattern and kinetics of cytokine production following administration of phosphorothioate oligonucleotides in mice. Antisense Nucleic Acid Drug Dev. 1997 Oct;7(5):495-502.	
	C301	ZIPS et al., New anticancer agents: in vitro and in vivo evaluation. In Vivo. 2005 Jan-Feb;19(1):1-7.	

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